

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/AU2004/001593

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. <sup>7</sup>: C12N 5/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

SEE BELOW

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
SEE BELOW

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Databases: WPIDS, CAPLUS, MEDLINE, BIOSIS.

Keywords: stem( )cell/pluripotent( )cell/progenitor( )cell/embryonic stem cell/ES cell; differentia?; blood( )cell/erythrocyte/retiocolocyte/megakaryocyte/lymphocyte/platelet/monocyte etc; hematopoietic/haematopoietic/hemopoietic/haemopoietic; cell therapy; in vitro/ex vivo/culture; aggregat?

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2003/050251 A2 (Geron Corporation) 19 June 2003  p. 12 line 4 – p. 14 line 13, examples 1-4, claims 13-36.	1-11
X	US 6,280,718 B1 (Kaufman et al.) 28 August 2001  Column 5 line 9 – Column 7 line 32, Claim 9.	1, 5-11

Further documents are listed in the continuation of Box C

See patent family annex

* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"B" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  
14 January 2005

Date of mailing of the international search report  
21 JAN 2005

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1344819 A2 (Novartis AG) 17 September 2003 [0042]-[0050], [0055]-[0057], claims 9 and 10	1, 5-11
X	US 5,635,386 A (Palsson et al.) 3 June 1997 Example 2, Claims	1, 5-11
P, X	US 2004/0224403 A1 (Bhatia, M.) 11 November 2004 [0034]-[0037], [0072]-[0102], Example 3, Claims 8, 9	1-11
X	Chadwick, K. et al., 2003 (August), Cytokines and BMP-4 promote hematopoietic differentiation of human embryonic stem cells, <i>Blood</i> , 102(3): 906-915. Whole Document	1-11
X	Kaufman, D. S et al., 2001, Hematopoietic colony-forming cells derived from human embryonic stem cells, <i>Proceedings of the National Academy of Sciences USA</i> , 98(19): 10716-10721. Whole document	
A	Dang, S.M. et al., 2002, Efficiency of embryoid body formation and hematopoietic development from embryonic stem cells in different culture systems, <i>Biotechnology and Bioengineering</i> , 78(4): 442-453. Whole Document	1-11
A	Desbaillets, I. et al., 2000, Embryoid bodies: an in vitro model of mouse embryogenesis, <i>Experimental Physiology</i> , 85(6): 645-651. Whole document	1-11

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/001593

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
WO	2003050251	CA	2469483	EP	1463803	GB	2399572
		US	2003153082	US	2004224403		
US	6280718	AU	69404/00	BR	0015374	CA	2390281
		EP	1228194	NO	20022180	SE	0201328
		US	2002015694	US	2004043484	WO	0134776
EP	1344819	AU	73986/91	CA	2039315	EP	0451611
		JP	7313150	JP	2000078968	US	5061620
		US	5643741	US	5716827	US	5750397
		US	5763197	US	5914108		
US	5635386	AU	34228/93	AU	39148/93	AU	39740/89
		AU	50592/96	AU	91750/91	BR	8907575
		CA	2062741	CA	2100268	CA	2131385
		DK	4691	EP	0434693	EP	0477290
		EP	0575350	EP	0629236	EP	0753574
		EP	1473360	HK	1007413	JP	11221074
		JP	2000189157	JP	2001120261	NO	910287
		US	5139519	US	5192317	US	5399493
		US	5437994	US	5459069	US	5605822
		US	5646043	US	5670147	US	5670351
		US	5763266	US	5888807	US	6326198
		US	2002022270	US	2003087432	US	2004063201
		US	2004180432	WO	9000889	WO	9015877
		WO	9211355	WO	9312805	WO	9318132
US	2004224403	CA	2469483	EP	1463803	GB	2399572
		US	2003153082	WO	03050251		

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX